

Fel-Pro TCS45956

FEL-PRO TCS 45956 Engine Timing Cover Gasket Set

INSTRUCTION MANUAL

1. Introduction

The FEL-PRO TCS 45956 Engine Timing Cover Gasket Set is engineered to provide a reliable seal for your vehicle's engine timing cover. This set includes all necessary gaskets and seals for a complete timing chain or belt replacement job, ensuring optimal performance and preventing fluid leaks. Fel-Pro gaskets are designed with application-specific materials to meet the demands of the repair environment, offering durability and a precise fit.

2. Product Components

This set typically includes the main timing cover gasket, crankshaft seal, and other auxiliary seals required for the timing cover assembly. The exact components may vary slightly by application but are designed to provide a comprehensive sealing solution.

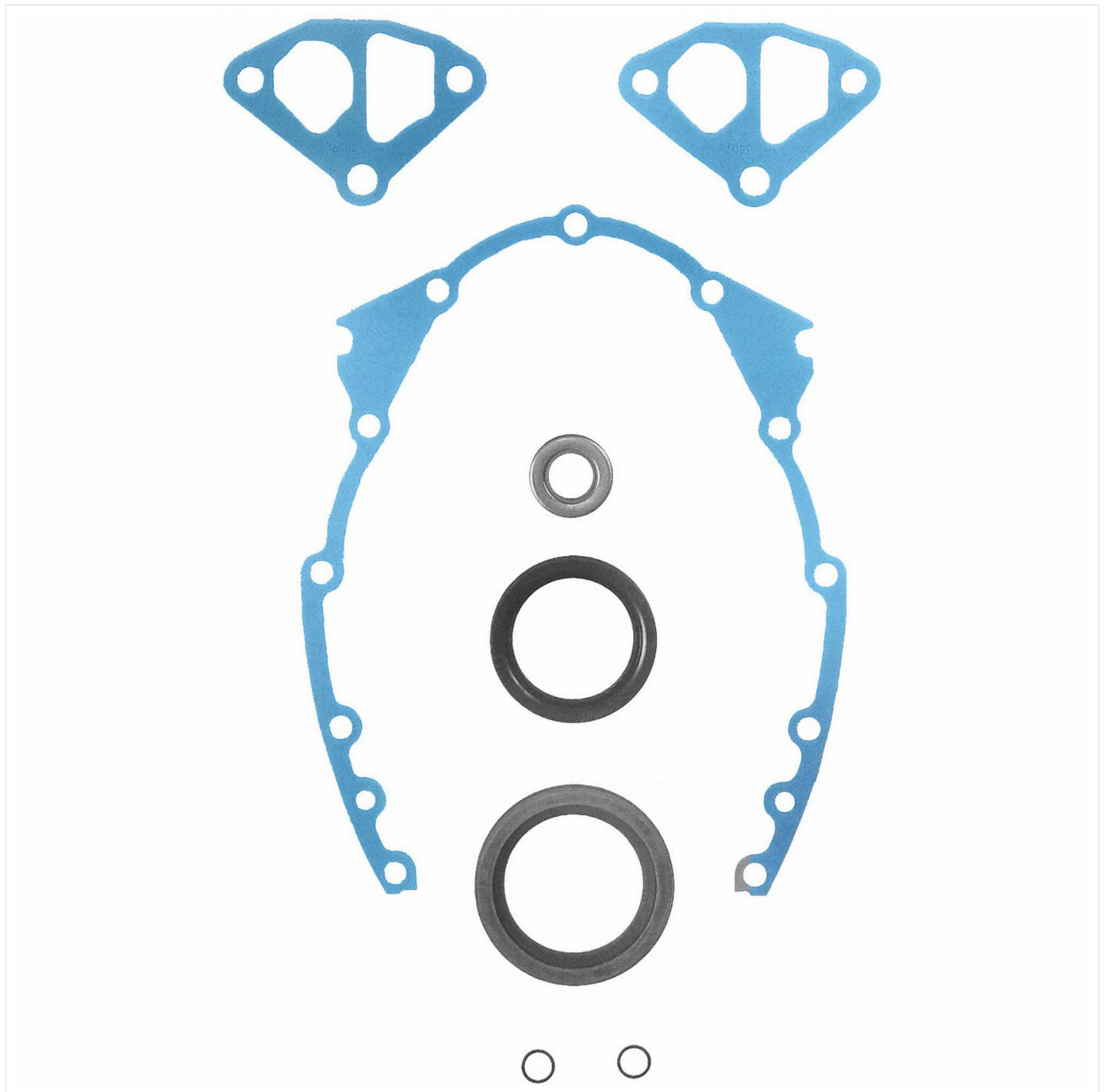


Image 2.1: Overview of the FEL-PRO TCS 45956 Engine Timing Cover Gasket Set, showing the main timing cover gasket, crankshaft seal, and other small seals.

- Timing Cover Gasket
- Crankshaft Seal
- Additional O-rings and seals as required for specific applications

3. Compatibility

The FEL-PRO TCS 45956 Timing Cover Gasket Set is compatible with various vehicles. It is crucial to verify fitment for your specific vehicle before installation. This part is known to fit:

- 1994-1996 Buick Roadmaster
- 1994-1996 Buick Commercial Chassis
- 1994-1996 Cadillac Commercial Chassis
- 1994-1996 Cadillac Fleetwood

- 1994-1994 Chevrolet Commercial Chassis
- 1995-1997 Chevrolet Camaro
- 1994-1996 Chevrolet Caprice

Always confirm compatibility using your vehicle's year, make, model, engine, and trim information to ensure this part is correct for your application.

4. Setup and Installation

Proper installation is critical for the longevity and effectiveness of the timing cover gasket set. Consult your vehicle's service manual for specific torque specifications and detailed removal/installation procedures.

1. **Preparation:** Ensure the engine is cool and disconnected from the battery. Drain engine fluids as necessary (e.g., coolant, oil).
2. **Disassembly:** Carefully remove all components obstructing access to the timing cover, such as belts, pulleys, and accessories. Remove the timing cover bolts and the timing cover itself.
3. **Surface Cleaning:** Thoroughly clean all mating surfaces on both the engine block and the timing cover. Remove all traces of old gasket material, sealant, oil, and debris. A clean, smooth surface is essential for a proper seal. Use appropriate gasket scrapers and cleaning agents.
4. **Gasket Placement:** Position the new Fel-Pro gaskets and seals onto the timing cover or engine block as specified by your vehicle's service manual. Ensure all components are correctly oriented and seated. For the timing chain cover gasket, note that an oil pan gasket replacement may also be necessary for a complete seal, depending on the engine design.
5. **Reassembly:** Carefully reinstall the timing cover, ensuring not to pinch or damage the new gaskets. Tighten bolts to the manufacturer's specified torque in the correct sequence. Reinstall all removed components, refill fluids, and reconnect the battery.



Image 4.1: A mechanic's hands during engine work (left) and a diagram illustrating the placement of a timing cover gasket (right).

5. Operating (Post-Installation Checks)

After installation, perform the following checks before operating the vehicle extensively:

- **Fluid Levels:** Verify all fluid levels (engine oil, coolant) are correct.
- **Initial Start-up:** Start the engine and allow it to reach operating temperature. Monitor for any unusual noises or warning lights.
- **Leak Inspection:** Visually inspect the timing cover area for any signs of fluid leaks (oil, coolant). Pay close attention during the first few drives.

6. Maintenance

Once installed, the Fel-Pro timing cover gasket set requires minimal specific maintenance beyond regular engine checks. Periodically inspect the timing cover area for any signs of fluid seepage or leaks, especially during routine oil changes or vehicle inspections. Early detection of a leak can prevent more significant issues.



Image 6.1: An oil leak on the ground, indicating a potential gasket failure or improper seal.

7. Troubleshooting

If you experience issues after installing the timing cover gasket set, consider the following:

- **Fluid Leaks:** The most common issue. This can be caused by:
 - Improper cleaning of mating surfaces, leaving old gasket material or debris.
 - Incorrect torque applied to timing cover bolts, leading to an uneven seal.
 - Damage to the gasket during installation.
 - Failure to replace associated seals (e.g., oil pan gasket if required for full timing cover seal).

Solution: Re-inspect the installation area. If a leak is detected, it may require partial or full re-installation, ensuring all steps, especially surface preparation and torque specifications, are followed precisely.

- **Unusual Noises:** If new noises occur after timing cover work, it could indicate an issue with timing components or accessory installation. Recheck all connections and component alignments.



Image 7.1: A mechanic performing a visual inspection of an engine compartment.

8. Specifications

Manufacturer	FEL-PRO
Brand	Fel-Pro
Model Number	TCS45956

Item Weight	0.32 ounces
Product Dimensions	11 x 11 x 0.4 inches
Manufacturer Part Number	TCS45956
Position	Center

9. Warranty and Support

Fel-Pro gaskets are known for their quality and reliability, offering 100% vehicle sealing solutions trusted by professionals. For specific warranty information or technical support, please refer to the official Fel-Pro website or contact their customer service directly. You can also visit the [Fel-Pro Store on Amazon](#) for more product information.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question